

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An x-ray tomograph, comprising:

an ~~[[x]]~~X-ray generator ~~having a function of moving~~ configured to move a focal position and ~~radiating~~ radiate x-rays toward a subject, the X-ray generator being fixed;

a planar X-ray image receiving element configured to receive a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved, the planar X-ray image receiving element being fixed; and

an image processing section configured to create a tomographic image by processing the plurality of transmission images of the subject received by the ~~[[x]]~~X-ray image receiving element,

wherein the subject is fixed between the ~~[[x]]~~X-ray generator and the planar X-ray image receiving element, ~~[[and]]~~ the X-ray generator has a radiation plane which is parallel to the planar X-ray image receiving element, ~~[[and]]~~ the focal position of the X-ray generator is rotatable on a circumference on the radiation plane, and

wherein the image processing section cuts out images from individual transmission images corresponding to individual focal positions of the X-ray generator and accumulates the cut-out images to create an accumulated image, the cut-out image has a virtual center which is positioned on a circumference with a radius R from a center of the transmission image, and the radius R is larger than a pixel of the accumulated image.

2. (Previously Amended) The x-ray tomograph according to claim 1,

wherein the image processing section accumulates the transmission images of the subject corresponding to individual focal positions of the x-ray generator to create an accumulated image and extracts pixels having a brightness value of the accumulated image between a prescribed upper limit threshold value and a lower limit threshold value to create the tomographic image.

3. (Previously Amended) The x-ray tomograph according to claim 1, wherein the image processing section creates the tomographic image of the subject for each of a plurality of tomographic planes which intersect in prescribed directions and are different from one another.

4. (Currently Amended) A stereoradioscopic image constructing equipment, comprising:

an ~~[[x]]~~X-ray tomography including;

an ~~[[x]]~~X-ray generator ~~having a function of moving~~ configured to move a focal position and ~~radiating~~ radiate ~~[[x]]~~X-rays toward a subject, the ~~[[x]]~~X-ray generator being fixed;

a planar ~~[[x]]~~X-ray image receiving element configured to receive a plurality of transmission images of the subject formed by the ~~[[x]]~~X-rays radiated from the ~~[[x]]~~X-ray generator while the focal position is moved, the planar ~~[[x]]~~X-ray image receiving element being fixed; and

an image processing section configured to create a tomographic image by processing the plurality of transmission images of the subject received by the ~~[[x]]~~X-ray image receiving element;

wherein the subject is fixed between the ~~[[x]]~~X-ray generator and the planar ~~[[x]]~~X-ray image receiving element, ~~[[and]]~~ the ~~[[x]]~~X-ray generator has a radiation plane which is parallel to the planar ~~[[x]]~~X-ray image receiving element, and the focal position of the ~~[[x]]~~X-ray generator is rotatable on a circumference on the radiation plane; and

a stereoradioscopic image constructing section configured to create a stereoradioscopic image by processing the plurality of tomographic images obtained by the ~~[[x]]~~X-ray tomograph.

5. (Currently Amended) The stereoradioscopic image constructing equipment according to claim 4,

wherein the stereoradioscopic image constructing section corrects geometrical enlargement ~~enlargement~~ ratios of the plurality of tomographic images obtained by the x-ray tomograph and combines the corrected tomographic images to create a stereoradioscopic image.

6. (Previously Amended) The x-ray tomograph according to claim 2, wherein the image processing section creates the tomographic image of the subject for each of a plurality of tomographic planes which intersect in prescribed directions and are different from one another.

7. (New) An X-ray tomography, comprising:

an X-ray generator having a function of moving a focal position and radiating X-rays toward a subject, the X-ray generator being fixed;

a planar X-ray image receiving element configured to receive a plurality of transmission images of the subject formed by the X-rays radiated from the X-ray generator while the focal position is moved, the planar X-ray image receiving element being fixed; and

an image processing section configured to create a tomographic image by processing the plurality of transmission images of the subject received by the X-ray image receiving element,

wherein the subject is fixed between the X-ray generator and the planar X-ray image receiving element, the X-ray generator has a radiation plane which is parallel to the planar X-ray image receiving element, the focal position of the X-ray generator is rotatable on a circumference on the radiation plane, the image processing section cuts out images from individual transmission images corresponding to individual focal positions of the X-ray generator and accumulates the cut-out images to create an accumulated image, the cut-out image has a virtual center which is positioned on a circumference with a radius R from a center of the transmission image, and the radius R is larger than a pixel of the transmission image.